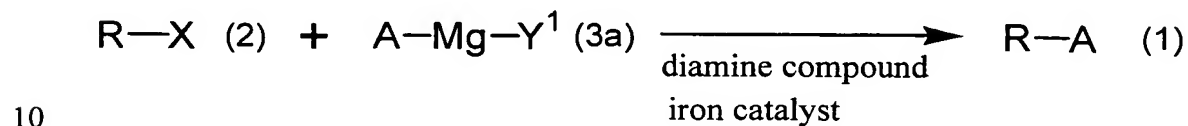


## ABSTRACT

A problem of the present invention is to provide an economical process with minimized toxicity for producing an aromatic compound having a variety of substituents such as various alkyl groups, and the problem is solved by a process for production of an aromatic compound represented by formula (1) below, which comprises reacting a compound represented by formula (2) below with an aromatic magnesium reagent represented by formula (3a) below in the presence of an iron catalyst and a diamine compound:



wherein R is an optionally substituted hydrocarbon group or a C<sub>3</sub> - C<sub>10</sub> saturated or unsaturated ring group; A is an optionally substituted C<sub>4</sub> - C<sub>20</sub> aromatic group or an optionally substituted heteroaromatic group; X is a halogen atom or a sulfonic acid ester; and Y<sup>1</sup> is bromine, iodine, chlorine or a carbanion ligand.